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FORM PTO 1449 US Department of Commerce Patent and Trademark Office OCT 03 2002		Application Number	09/997600
		Filing Date	November 28, 2001
		First Named Inventor	David B. Geohegan, et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
of 1		Attorney Docket Number	UBAT1190-1

Examiner Initials	Cite No.	OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS	Date
EO	C1	Guillom, et al., "Operation of a gated field emitter using an individual carbon nanofiber cathode," Applied Physics Letters, Vol. 79, No. 21, pp. 3506-3508.	November 19, 2001
	C2	Baylor, et al., "Field emission from isolated individual vertically aligned carbon nanocones" Journal of Applied Physics, Vol. 91, No. 7, pp. 4602-4606.	April 1, 2002
	C3	Saito et al., "Field Emission Patterns from Single-Walled Carbon Nanotubes," Japan Journal Applied Physics, Vol. 36, pp. 1340-1342.	October 1, 1997
	C4	Matsumoto, et al., "Ultralow biased field emitter using single-wall carbon nanotube directly grown onto silicon tip by thermal chemical vapor deposition," Applied Physics Letters, Vol. 78, No. 4, pp. 539-540.	January 22, 2001
	C5	Guillom, et al., "Fabrication of gated cathode structures using an <i>in situ</i> grown vertically aligned carbon nanofiber as a field emission element", Journal of Vacuum Science, pp. 573-578.	Mar/Apr. 2001
	C6	Rinzler, et al., "Unraveling Nanotubes: Field Emission from an Atomic Wire" available at www.jstor.org , pp. 1550-1553.	May 9, 2002
	C7	Merkulov, et al., "Patterned growth of individual and multiple vertically aligned carbon nanofibers," Applied Physics Letters, Vol. 76, No. 24, pp. 3555-3557.	June 12, 2000
	C8	Xueping, et al., "A method for fabricating large-area, patterned, carbon nanotube field emitters," Applied Physics Letters, Vol. 74, No. 17, pp. 2549-2551.	April 26, 1999
	C9	Merkulov, et al., "Scanned-probe field-emission studies of vertically aligned carbon nanofibers" Journal of Applied Physics, Vol. 89, No. 3, pp. 1933-1937.	February 1, 2001
	C10	Bonard, et al., "Field emission from single-wall carbon nanotube films" Applied Physics Letters, Vol. 73, No. 7, pp. 918-920	August 17, 1998
	C11	Xueping, et al., "Carbon Nanotube-based vacuum microelectronic gated cathode," Material Research Society Symposium, Vol. 509, pp. 107-109.	1998
	C12	Dean, et al., "The environmental stability of field emission from single-walled carbon nanotubes" Applied Physics Letters, Vol. 75, No. 19, pp. 3017-3019.	November 8, 1999
	C13	Wang, et al., "Flat panel display prototype using gated carbon nanotube field emitters," Applied Physics Letters, Vol. 78, No. 9, pp. 1294-1296.	February 26, 2001
	C14	Lee, et al., "Realization of Gated Field Emitters for Electrophotonic Applications Using Carbon Nanotube Line Emitters Directly Grown into Submicrometer Holes," Advanced Materials Communications, Vol. 13, No. 7, pp. 479-482.	April 4, 2001
EO	C15	Guillom, et al. "Microfabricated field emission devices using carbon nanofibers as cathode elements", Journal of Vacuum Science Technology B19(6), pp. 2598-2601.	Nov/Dec. 2001
Examiner Signature		Elizabeth M. Cole	Date Considered 9/6/02

INFORMATION DISCLOSURE CITATION PTO-1449		ATTY. DOCKET NO. 19867-726		SERIAL NO. Not Yet Assigned	
		APPLICANT David B. Geohegan et al.			
		FILING DATE November 26, 1999		GROUP Not Yet Assigned	

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EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE

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						YES	NO

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	Yudasaka, M., et al., "Mechanism of the Effect of NiCo, Ni and Co Catalysts on the Yield of Single-Wall Carbon Nanotubes Formed by Pulsed Nd:YAG Laser Ablation", <u>J. Phys. Chem B</u> , 103, pp. 6224-6229, May 13, 1999
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	Ren, Z.F., et al., "Large Arrays of Well-Aligned Carbon Nanotubes", (Abstract), Document ID No. 31618, 1999 Fall Meeting, Symposium U: Amorphous and Nanostructured Carbon, June 19, 1999
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	Jacques, David, et al., "Synthesis and Growth Mechanisms of Multiwalled Nanotubes", (Abstract), Document ID No. 31069, 1999 Fall Meeting, Symposium U: Amorphous and Nanostructured Carbon, June 18, 1999.
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EXAMINER	<i>Geigand</i>	DATE CONSIDERED	9/29/03
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